



Chartiers Valley High School  
Lesson Plans



Instructor: Mrs. Zieger	Course: Environmental Science Period # /
Objective(s): The Students will...	be able to explain the relationship among landforms
Related Curriculum Standard:	4.1.10 Explain the relationship among landforms, vegetation and the amt. and speed of water.
Activities/Procedures:	<p>Monday - The students will be divided into groups of two.</p> <ul style="list-style-type: none"><li>* Each group will be given a foil pan, several plastic cups of varied height, a white garbage bag, paprika and several plastic items/objects that will represent vegetation.</li><li>* The students will set up their plastic cups in the foil pan to represent different elevations.</li><li>* The students will then cover these plastic cups with the white garbage bag.</li><li>* The plastic objects will then be randomly placed</li></ul>

	<p>in the pan on different elevations, followed by sprinkles of paprika</p> <p>* The students will then be given spray bottles filled with water. They will spray the model and take observation notes.</p> <p>* Follow-up discussion:</p> <ul style="list-style-type: none"> <li>- What was the pattern of the water flow?</li> <li>- Did pools of water collect?</li> <li>- What about pollution (paprika)</li> <li>- What role does vegetation play?</li> </ul>
<p><b>Materials(resources):</b></p> <ul style="list-style-type: none"> <li>* Foil pans</li> <li>* Spray bottles</li> <li>* White garbage bags</li> <li>* Small plastic model objects</li> <li>* Plastic cups</li> <li>* PAPRIKA</li> </ul>	<ul style="list-style-type: none"> <li>• Science textbook</li> <li>• Science notebook</li> <li>• Science folder/portfolio</li> <li>• Science work packet</li> <li>• Science World Magazine</li> <li>• Writing Utensil (student owned)</li> <li>• Internet</li> <li>• CV Library</li> <li>• AIO video library</li> <li>• Teacher-made materials &amp; resources</li> </ul>
<p><b>Assessment:</b></p>	<ul style="list-style-type: none"> <li>• Teacher Observation</li> <li>• Weekly notebook &amp; packet checks</li> <li>• Participation rubric checklist</li> <li>• Quiz -</li> <li>• Test -</li> <li>• Project -</li> <li>* Follow up discussion</li> </ul>
<p><b>Homework:</b></p>	<p>Over the next week take note of where precipitation collects on your own property.</p>

This lesson was taken from the Pittsburgh Voyager Teacher Workshop February 2005. Lesson Plans Page 1 of 2